

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

Client: Layne-Northwest Company (Pewaukee)
Attn: Brian Brodersen
W229 N5005 DuPlainville Road
Pewaukee, WI 53072 1544

Project: Westchester Lakes

ANALYTICAL REPORT

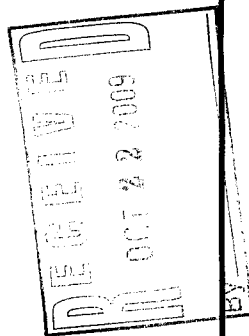
WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. W100034

Printed: 10/15/09 Code: S Page 1 of 2

NLS Project: 136647

NLS Customer: 87322

Fax: 262 246 4784 Phone: 262 246 4646



Well #1- IOC NLS ID: 537024

COC: 117958:1 Matrix: DW

Collected: 09/17/09 13:00 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Alkalinity, tot. as CaCO3 (unfiltered)	250	mg/L	2	2.0	4.0	09/25/09	SM 2320-B	721026460
Aluminum, tot. recoverable as Al by ICP-MS	ND	mg/L	1	0.050*	0.10*	10/01/09	EPA 200.8	721026460
Antimony, tot. recoverable as Sb by ICP-MS	ND	ug/L	1	0.10*	0.20 / 6.0*	10/01/09	EPA 200.8	721026460
Arsenic, tot. recoverable as As by ICP-MS	2.5	ug/L	1	0.50*	1.0 / 10*	10/01/09	EPA 200.8	721026460
Barium, tot. recoverable as Ba by ICP-MS	62	ug/L	1	0.10*	0.20 / 2000*	10/01/09	EPA 200.8	721026460
Beryllium, tot. recoverable as Be by ICP-MS	ND	ug/L	1	0.10*	0.20 / 4.0*	10/01/09	EPA 200.8	721026460
Cadmium, tot. recoverable as Cd by ICP-MS	ND	ug/L	1	0.10*	0.20 / 5.0*	10/01/09	EPA 200.8	721026460
Calcium, tot. recoverable as Ca by ICP-MS	80	mg/L	1	0.15*	0.30*	10/01/09	EPA 200.8	721026460
Chloride, as Cl (unfiltered)	78	mg/L	10	2.5	5.0 / 250	09/22/09	EPA 300.0	721026460
Chromium, tot. recoverable as Cr by ICP-MS	[0.56]	ug/L	1	0.50*	1.0 / 100*	10/01/09	EPA 200.8	721026460
Fluoride, as F (unfiltered)	0.41	mg/L	1	0.050*	0.10 / 4.0*	09/22/09	SM 4500F-C	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/icpms)	340	mg/L	1	1.0*	2.0*	10/01/09	EPA 200.8	721026460
Iron, tot. recoverable as Fe by ICP-MS	0.70	mg/L	1	0.010*	0.020*	10/01/09	EPA 200.8	721026460
Magnesium, tot. recoverable as Mg by ICP-MS	35	mg/L	1	0.15*	0.30*	10/01/09	EPA 200.8	721026460
Manganese, tot. recoverable as Mn by ICP-MS	8.0	ug/L	1	1.0*	2.0*	10/01/09	EPA 200.8	721026460
Mercury, tot. recoverable as Hg by ICP-MS	ND	ug/L	1	0.042	0.14 / 2.0	10/09/09	EPA 200.8	721026460
Nickel, tot. recoverable as Ni by ICP-MS	1.8	ug/L	1	0.50*	1.0 / 100*	10/01/09	EPA 200.8	721026460
Nitrogen, nitrite as N	0.033	mg/L	1	0.0067*	0.020 / 1.0*	09/18/09	SM 4500NO2-B	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.094	mg/L	1	0.025	0.075 / 10	09/21/09	EPA 353.2	721026460
pH, Lab	7.23	s.u.	1			09/18/09	EPA 150.1	721026460
Selenium, tot. recoverable as Se by ICP-MS	ND	ug/L	1	2.0*	4.0 / 50*	10/01/09	EPA 200.8	721026460
Silver, tot. recoverable as Ag by ICP-MS	ND	ug/L	1	0.10*	0.20 / 50*	10/01/09	EPA 200.8	721026460
Sodium, tot. recoverable as Na by ICP	35	mg/L	1	0.050	0.10	10/02/09	EPA 200.7	721026460
Solids, total	530	mg/L	1	2.0*	2.0*	09/22/09	SM 2540-B	721026460
Thallium, tot. recoverable as Tl by ICP-MS	ND	ug/L	1	0.10*	0.20 / 2.0*	10/01/09	EPA 200.8	721026460
Zinc, tot. recoverable as Zn by ICP-MS	6.8	ug/L	1	1.0*	2.0 / 5000*	10/01/09	EPA 200.8	721026460

Well #1- Rad Chem NLS ID: 537025

COC: 117958:2 Matrix: DW

Collected: 09/17/09 13:00 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, gross alpha	-0.681 +/- 1.20	pCi/L		2.5	/ 15	10/02/09	EPA 900.0	999407970
Radium 228, total	0.862 +/- 0.404	pCi/L		0.74	/ 5.0	10/01/09	EPA 904.0	999407970

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Project: Westchester Lakes

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. W100034
Printed: 10/15/09 Code: S Page 2 of 2
NLS Project: 136647
NLS Customer: 87322
Fax: 262 246 4784 Phone: 262 246 4646

Well #2- IOC NLS ID: 537026

COC: 117958:3 Matrix: DW

Collected: 09/17/09 13:30 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Alkalinity, tot. as CaCO ₃ (unfiltered)	250	mg/L	2	2.0	4.0	09/25/09	SM 2320-B	721026460
Aluminum, tot. recoverable as Al by ICP-MS	ND	mg/L	1	0.050*	0.10*	10/01/09	EPA 200.8	721026460
Antimony, tot. recoverable as Sb by ICP-MS	ND	ug/L	1	0.10*	0.20 / 6.0*	10/01/09	EPA 200.8	721026460
Arsenic, tot. recoverable as As by ICP-MS	2.1	ug/L	1	0.50*	1.0 / 10*	10/01/09	EPA 200.8	721026460
Barium, tot. recoverable as Ba by ICP-MS	59	ug/L	1	0.10*	0.20 / 2000*	10/01/09	EPA 200.8	721026460
Beryllium, tot. recoverable as Be by ICP-MS	ND	ug/L	1	0.10*	0.20 / 4.0*	10/01/09	EPA 200.8	721026460
Cadmium, tot. recoverable as Cd by ICP-MS	[0.12]	ug/L	1	0.10*	0.20 / 5.0*	10/01/09	EPA 200.8	721026460
Calcium, tot. recoverable as Ca by ICP-MS	81	mg/L	1	0.15*	0.30*	10/01/09	EPA 200.8	721026460
Chloride, as Cl (unfiltered)	45	mg/L	10	2.5	5.0 / 250	09/22/09	EPA 300.0	721026460
Chromium, tot. recoverable as Cr by ICP-MS	[0.54]	ug/L	1	0.50*	1.0 / 100*	10/01/09	EPA 200.8	721026460
Fluoride, as F (unfiltered)	0.37	mg/L	1	0.050*	0.10 / 4.0*	09/22/09	SM 4500F-C	721026460
Hardness, tot. recoverable as CaCO ₃ (calc/unfilt/icpms)	340	mg/L	1	1.0*	2.0*	10/01/09	EPA 200.8	721026460
Iron, tot. recoverable as Fe by ICP-MS	0.75	mg/L	1	0.010*	0.020*	10/01/09	EPA 200.8	721026460
Magnesium, tot. recoverable as Mg by ICP-MS	34	mg/L	1	0.15*	0.30*	10/01/09	EPA 200.8	721026460
Manganese, tot. recoverable as Mn by ICP-MS	9.6	ug/L	1	1.0*	2.0*	10/01/09	EPA 200.8	721026460
Mercury, tot. recoverable as Hg by ICP-MS	ND	ug/L	1	0.042	0.14 / 2.0	10/09/09	EPA 200.8	721026460
Nickel, tot. recoverable as Ni by ICP-MS	2.6	ug/L	1	0.50*	1.0 / 100*	10/01/09	EPA 200.8	721026460
Nitrogen, nitrite as N	ND	mg/L	1	0.0067*	0.020 / 1.0*	09/18/09	SM 4500NO2-B	721026460
Nitrogen, NO ₂ + NO ₃ as N (unfiltered)	ND	mg/L	1	0.025	0.075 / 10	09/21/09	EPA 353.2	721026460
pH, Lab	7.22	s.u.	1			09/18/09	EPA 150.1	721026460
Selenium, tot. recoverable as Se by ICP-MS	ND	ug/L	1	2.0*	4.0 / 50*	10/01/09	EPA 200.8	721026460
Silver, tot. recoverable as Ag by ICP-MS	ND	ug/L	1	0.10*	0.20 / 50*	10/01/09	EPA 200.8	721026460
Sodium, tot. recoverable as Na by ICP	29	mg/L	1	0.050	0.10	10/02/09	EPA 200.7	721026460
Solids, total	490	mg/L	1	2.0*	2.0*	09/22/09	SM 2540-B	721026460
Thallium, tot. recoverable as Tl by ICP-MS	ND	ug/L	1	0.10*	0.20 / 2.0*	10/01/09	EPA 200.8	721026460
Zinc, tot. recoverable as Zn by ICP-MS	24	ug/L	1	1.0*	2.0 / 5000*	10/01/09	EPA 200.8	721026460

Well #2- Rad Chem NLS ID: 537027

COC: 117958:4 Matrix: DW

Collected: 09/17/09 13:30 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, gross alpha	0.900 +/- 1.19	pCi/L		2.3	7 / 15	10/02/09	EPA 900.0	999407970
Radium 228, total	0.706 +/- 0.429	pCi/L		0.84	7 / 5.0	10/01/09	EPA 904.0	999407970

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection ND = Not Detected (< LOD)
DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

1000 ug/L = 1 mg/L

Reviewed by:



Authorized by:
R. T. Krueger
President